

Embryonic Programming

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Impact

Single program family reusable in a variety of defense platforms with varying QoS demands

Specification of QoS aspects explicitly in terms germane to the application domain

Capitalize algorithmic investment rather than focusing on individual platform idiosyncrasies

New Ideas

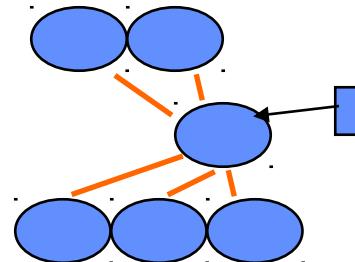
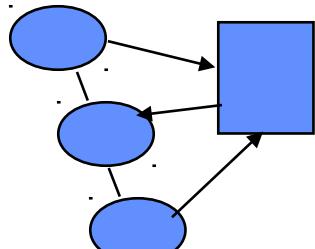
Embryonic programs used intact on a variety of computing platforms

Embryonic programs described using a mixture of Software architecture terms and QoS proper

Modern *program generator technology* used to integrate embryonic programs on each computing platform

Schedule

FY 97	FY 98	FY 99
Initial SAF axes and platforms	SAF embryonic specification primitives	
	Retarget Embryonic Primitives to QoS	
	Characterize Architecture Composition Primitives	
	Embryonic specification language	
	Quorum Project Feasibility Demo	
	Phase I: Globus / Qualis Shadow Pro	



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